

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Sabirha Qazi Examiner #: 74141 Date: 2/10/04
 Art Unit: 1616 Phone Number 30 06 22 Serial Number: 10403 083
 Mail Box and Bldg/Room Location: 4C70 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Absorbent Article with Skin Care Composition

Inventors (please provide full names): George Endel Deekner et al.

Earliest Priority Filing Date: 371 of PCT/4500/13842 5/19/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for the absorbent article as in cl 1

Please see attached sheets

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	Type of Search	Vendors and cost where applicable
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Online Time: _____	Other _____	Other (specify) _____

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L10 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:334402 HCAPLUS

DOCUMENT NUMBER: 138:343474

TITLE: **Skin care** compositions comprising low concentrations of skin treatment agents

INVENTOR(S): **Warren, Raphael**; Blevins, John Michael; Klofta, Thomas James; **Minoguchi, Ryo**; Pennington, Regina Leigh; Staudigel, James Anthony; Tanner, Paul Robert; Vatter, Michael Lee

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: U.S. Pat. Appl. Publ., 16 pp., Cont.-in-part of U.S. Ser. No. 968,154.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003082219	A1	20030501	US 2002-152924	20020521
WO 2003028776	A1	20030410	WO 2002-US31135	20021001
<p>W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG</p> <p>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				

US 2003206943 A1 20031106 US 2003-444241 20030523

PRIORITY APPLN. INFO.: US 2001-968154 A2 20011001

US 2002-152924 A 20020521

AB **Skin care** compns. that are suitable for application on **absorbent** articles such as panty liners and interlabial products for delivery of the **skin care** compns. effective in preventing and/or reducing skin disorders related to erythema, malodor, and skin bacterial infections onto an external or internal area of the skin are described. The composition comprises (a) about 0.001-0.1% by weight

of hexamidine; (b) about 0.001-10% by weight of zinc oxide; (c) about 0.01-10% by weight of niacinamide; and (d) a carrier. For example, a **skin care** composition carrier system contained petrolatum 78.1%, behenyl alc. 8.7%, Beheneth-10 10.0%, and fumed silica 3.2%. A **skin care** composition was prepared from 97.1% of the carrier system, mixed with 0.7% ZnO Premix, 0.1% hexamidine, 0.5% panthenol, 0.1% glycerin, 1.0% niacinamide, and 0.5% chamomile extract

IC ICM A61K033-32

ICS A61K031-70; A61K007-00; A61K031-155; A61K009-70

NCL 424401000; 424443000; 424642000; 514023000; 514637000

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST hexamidine niacinamide zinc oxide **skin care** medical **absorbent**

IT Alcohols, biological studies

- Fatty acids, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(C12-24; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(C16-18; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Medical goods
(**absorbents**; **skin care** compns. containing
hexamidine, niacinamide, and zinc oxide for application on
absorbent articles)
- IT Waxes
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(esparto wax; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Fatty acids, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(esters; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Chamomile
(exts.; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Amides, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(fatty; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Alcohols, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(lower, C1-6; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT **Absorbents**
(medical; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Hydrocarbon waxes, biological studies
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
BIOL (Biological study); USES (Uses)
(microcryst.; **skin care** compns. containing hexamidine,
niacinamide, and zinc oxide for application on **absorbent**
articles)
- IT Particle size
(of zinc oxide; **skin care** compns. containing
hexamidine, niacinamide, and zinc oxide for application on
absorbent articles)
- IT Waxes
RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);

- BIOL (Biological study); USES (Uses)
 (ouricury; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT Medical goods
 (panty liners; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT Alcohols, biological studies
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (polyhydric; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT Waxes
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (rezowax; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT Medical goods
 (sanitary napkins; **skin care** compns. containing
 hexamidine, niacinamide, and zinc oxide for application on
absorbent articles)
- IT Beeswax
 Cosmetics
 (**skin care** compns. containing hexamidine, niacinamide,
 and zinc oxide for application on **absorbent** articles)
- IT Bentonite, biological studies
 Candelilla wax
 Carnauba wax
 Ceresin
 Glycols, biological studies
 Lanolin
 Paraffin waxes, biological studies
 Petrolatum
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (**skin care** compns. containing hexamidine, niacinamide,
 and zinc oxide for application on **absorbent** articles)
- IT Waxes
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (spermaceti; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT 7631-86-9, Fumed silica, biological studies
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (colloidal; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT 9013-79-0, Esterase
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (diesterase; **skin care** compns. containing hexamidine,
 niacinamide, and zinc oxide for application on **absorbent**
 articles)
- IT 50-70-4, Sorbitol, biological studies 50-81-7, Vitamin C, biological
 studies 52-89-1, Cysteine hydrochloride 56-81-5, Glycerine, biological

studies 59-51-8, Methionine 79-41-4D, Methacrylic acid, esters, polymers 81-13-0, Panthenol 97-59-6, Allantoin 98-92-0, Niacinamide 100-42-5D, Styrene, copolymers with methacrylic esters 144-55-8, Sodium bicarbonate, biological studies 368-43-4, Phenylsulfonyl fluoride 557-05-1, Zinc stearate 661-19-8, Behenyl alcohol 1314-13-2, Zinc oxide, biological studies 1327-43-1, Magnesium aluminum silicate 1343-88-0, Magnesium silicate 1344-95-2, Calcium silicate 3811-75-4, Hexamidine 8011-96-9, Calamine 9000-92-4, Amylase 9001-62-1, Lipase 9002-13-5, Urease 9004-06-2, Elastase 9005-00-9, Steareth-2 9026-81-7, Nuclease 9031-96-3, Peptidase 12173-47-6, Hectorite 14807-96-6, Talc, biological studies 21645-51-2, Aluminum hydroxide, biological studies 26636-40-8, Beheneth-10 37259-58-8, Serine protease 37353-41-6, Cysteine protease 39444-30-9, Castrol wax 78169-47-8, Aspartyl protease 81669-70-7, Metalloprotease 133856-63-0, Guanidinobenzoic acid

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**skin care** compns. containing hexamidine, niacinamide, and zinc oxide for application on **absorbent** articles)

IT 9002-88-4, Polyethylene

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(wax; **skin care** compns. containing hexamidine, niacinamide, and zinc oxide for application on **absorbent** articles)

L10 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:42142 HCAPLUS

DOCUMENT NUMBER: 138:95672

TITLE: Film-forming compositions for protecting skin from body fluids

INVENTOR(S): Klofta, Thomas James; Staudigel, James Anthony; **Deckner, George Endel**

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004070	A1	20030116	WO 2002-US19510	20020621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003077307	A1	20030424	US 2001-898880	20010703

PRIORITY APPLN. INFO.:

US 2001-898880 A 20010703

AB The present invention relates to a film-forming barrier composition useful for protecting the skin from body fluids, such as urine, feces, and menses. The composition comprises 1-90% of a skin conditioning agent, 15-50% of a viscosity enhancing agent, 1-20% of an oleophilic film-forming agent, and

optionally 0.01-15% of **skin care** ingredients for treating or maintaining skin health. The composition may be applied to the skin by suitable delivery vehicles, such as **absorbent** articles or components thereof, sheet materials, pads, bandages, sponges, foam pads, pumps, and sprays depending on the viscosity of the composition. For example, a composition contained petrolatum 48.9%, lanolin oil (Vigilan) 12.0%, acetylated lanolin (Fancol Acel) 12%, behenyl alc./stearyl alc. mixture (Lanette 22) 21.0%, C30-38 olefin/isopropyl maleate/maleic anhydride copolymer (Performa V 1608) 6.0%, and vitamin E acetate 0.1%.

IC ICM A61L015-42

CC 63-7 (Pharmaceuticals)

Section cross-reference(s): 62

ST film forming barrier compn medical article skin body fluid

IT Medical goods

(**absorbents**; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Lanolin

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(acetate, Fancol Acel; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Cosmetics

(conditioners; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Cosmetics

(lotions; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Body fluid

Disposable diapers

Ozocerite

(medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Petrolatum

Polysiloxanes, biological studies

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT **Absorbents**

(medical; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Hydrocarbon waxes, biological studies

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(microcryst.; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Lanolin

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(oil, Vigilan; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT Hydrocarbon oils

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(white oils, Hydrobrite 550PO; medical **absorbent** articles with film-forming barrier compns. for protecting skin from body fluids)

IT 7631-86-9, Fumed silica, biological studies

RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(colloidal; medical **absorbent** articles with film-forming

barrier compns. for protecting skin from body fluids)
 IT 58-95-7, Vitamin E acetate 81-13-0, D-Panthenol 112-92-5, Stearyl
 alcohol 515-69-5, Bisabolol 661-19-8, Lanette 22 1314-13-2, Zinc
 oxide, biological studies 9002-88-4, Polyethylene 28211-18-9, Ganex V
 220 29894-35-7, Hexalyn PR 15 42131-25-9, Salacos 99 42557-10-8, Dow
 Corning 200 135668-52-9, Dermacryl 79 157148-07-7, Ganex WP 660
 344588-45-0, Glossamer L 6600 484688-67-7, Performa V 1608
 RL: COS (Cosmetic use); DEV (Device component use); THU (Therapeutic use);
 BIOL (Biological study); USES (Uses)
 (medical **absorbent** articles with film-forming barrier compns.
 for protecting skin from body fluids)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:452834 HCAPLUS

DOCUMENT NUMBER: 135:50905

TITLE: Compositions for efficient release of skin active
 ingredients from oleaginous carriers

INVENTOR(S): Osborne, Scott Edward; Deckner, George Endel
 ; Klofta, Thomas James; Vega, Victor Nicholas

PATENT ASSIGNEE(S): Procter + Gamble Company, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001043717	A1	20010621	WO 2000-US33741	20001213
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1237535	A1	20020911	EP 2000-984288	20001213
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003516955	T2	20030520	JP 2001-544656	20001213
PRIORITY APPLN. INFO.:			US 1999-466343 A	19991217
			WO 2000-US33741 W	20001213

AB The present invention relates to a novel composition for efficiently releasing hydrophilic or water-soluble **skin care** actives from an oleaginous composition. The substantially oleaginous composition of the present invention comprises: (1) at least one **skin care** active; (2) a release agent having an HLB of at least about 3; and (3) a hydrophobic barrier protectant. The novel release composition may be topically applied to skin using a dispensing means such as an **absorbent** article, a wipe, a bandage, a pad, a canister, a stick, an aerosol dispenser, a sprayer, and the like. For example, a release composition representative of the present invention contained (by weight) hexamidine diisethionate 0.1%, Beheneath-10 6.3%, petrolatum 72.6%, behenyl alc. 17.7%, and fumed silica 3.3%. The composition may be incorporated directly

onto the surface of an **absorbent** article for the release of composition for a period of at least about 4 days. The release is enhanced by exposing the composition to moisture in the surrounding. At the end of the 4 day period, the skin in the general area contacted by the lotion-treated portion of the article shows visible improvement, such as reduction in redness.

- IC ICM A61K007-48
- ICS A61L015-42
- CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 63
- ST hydrophilic **skin care** active oleaginous carrier
cosmetic; hexamidine **skin care** active oleaginous
carrier cosmetic; medical **absorbent** hydrophilic **skin**
care active release
- IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(C14-60; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)
- IT Alcohols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(C20-40, ethoxylated, Performathox 450; oleaginous compns. for
efficient release of hydrophilic **skin care** active
ingredients)
- IT Balsams
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(Peru; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)
- IT Medical goods
(**absorbents**; oleaginous compns. for efficient release of
hydrophilic **skin care** active ingredients)
- IT Cosmetics
(aerosols; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)
- IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(alkoxylated, C12-50; oleaginous compns. for efficient release of
hydrophilic **skin care** active ingredients)
- IT Glycosides
Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(alkyl; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)
- IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(alkylphenyl or Ph group-containing; oleaginous compns. for efficient
release of hydrophilic **skin care** active
ingredients)
- IT Natural products, pharmaceutical
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(aloe; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)
- IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)
 (animal, hydrogenated; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fats and Glyceridic oils, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (animal; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Cotton fibers
 (balls; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Medical goods
 (bandages; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Containers
 (canisters; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Oatmeal
 (colloidal; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fatty acids, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (esters, C12-50, alkoxyated; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fatty acids, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (esters, C14-60; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fatty acids, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (esters, emollients; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Polyoxyalkylenes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (fatty amido group-terminated, C12-50; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (fatty, C14-60; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Alcohols, biological studies
 Amides, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (fatty, alkoxyated, C12-50; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Alcohols, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (fatty, ethers; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Polyesters, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)

(hydroxy-terminated; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Cosmetics
(lotions; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT **Absorbents**
(medical; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Surfactants
(nonionic; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Antibiotics
Antimicrobial agents
Chelating agents
Cosmetics
Humectants
Hydrophile-lipophile balance value
Paper
Skin preparations (pharmaceutical)
Textiles
Yeast
(oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Glycerides, biological studies
Kaolin, biological studies
Paraffin waxes, biological studies
Petrolatum
Protein hydrolyzates
Vitamins
Waxes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Medical goods
(pads; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Cosmetics
(rollers; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Medical goods
(sponge; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Cosmetics
(sprays; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Cosmetics
(sticks; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Polymers, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(surfactants; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fats and Glyceridic oils, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(vegetable, hydrogenated; oleaginous compns. for efficient release of hydrophilic **skin care** active ingredients)

IT Fats and Glyceridic oils, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(vegetable; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)

IT Medical goods

(wipes; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)

IT 7631-86-9, Silica, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(fumed; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)

IT 9001-92-7, Protease

RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; oleaginous compns. for efficient release of hydrophilic
skin care active ingredients)

IT 59-51-8, Methionine 60-00-4, Ethylenediaminetetraacetic acid, biological
studies 67-97-0, Cholecalciferol 83-86-3, Phytic acid 102-76-1,
Triacetin 112-92-5, Stearyl alcohol 368-43-4, Phenylsulfonyl fluoride
557-34-6, Zinc acetate 659-40-5, Hexamidine diisethionate 661-19-8,
Behenyl alcohol 1314-13-2, Zinc oxide, biological studies 1406-18-4,
vitamin E 3486-35-9, Zinc carbonate 3811-75-4, Hexamidine 9004-34-6,
Cellulose, biological studies 9005-25-8, Starch, biological studies
9012-76-4, Chitosan 11103-57-4, Vitamin A 12441-09-7D, Sorbitan,
esters 14807-96-6, Talc, biological studies 26636-40-8, Beheneth 10
106392-12-5, Pluronic L43

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(oleaginous compns. for efficient release of hydrophilic **skin**
care active ingredients)

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:257841 HCAPLUS

TITLE: **Absorbent** article having barrier sheet
against the migration of the **skin**
care composition

INVENTOR(S): **Gray, Brian Francis; Hamachi, Kiyoe;**
Minoguchi, Ryo; Niihara, Kaoru

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: PCT Int. Appl.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001024748	A1	20010412	WO 1999-US22843	19991001
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,			
	CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,			
	GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,			
	LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,			
	RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,			
	UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,			
	DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,			
	CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AU 9962818 A1 20010510 AU 1999-62818 19991001
 BR 9917513 A 20020611 BR 1999-17513 19991001
 EP 1227776 A1 20020807 EP 1999-950089 19991001

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL

JP 2003510164 T2 20030318 JP 2001-527748 19991001

PRIORITY APPLN. INFO.: WO 1999-US22843 A 19991001

AB An **absorbent** article having a barrier sheet against a
skin care composition is disclosed. The
absorbent article has a body surface and a garment surface. The
absorbent article comprises an **absorbent** core. At least
 a portion of the **absorbent** article has a **skin**
care composition provided thereon. The **absorbent**
 article has a barrier sheet. The barrier sheet is treated to reduce the
 migration of the **skin care** composition therethrough.

IC ICM A61F013-15

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:824143 HCAPLUS

TITLE: **Absorbent** article with **skin**
care composition

INVENTOR(S): **Gray, Brian Francis; Minoguchi, Ryo**

PATENT ASSIGNEE(S): The Procter & Gamble Co., USA

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000069483	A1	20001123	WO 1999-US22842	19991001
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
WO 2000069482	A1	20001123	WO 1999-US11372	19990521
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
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WO 2000069481	A1	20001123	WO 1999-US11374	19990521
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU,			

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 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 9941981 A1 20001205 AU 1999-41981 19990521
 AU 9941983 A1 20001205 AU 1999-41983 19990521
 AU 9965049 A1 20001205 AU 1999-65049 19991001
 EP 1178846 A1 20020213 EP 1999-953011 19991001
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 BR 9917302 A 20020618 BR 1999-17302 19991001
 JP 2003524470 T2 20030819 JP 2000-617943 19991001
 WO 2000069484 A1 20001123 WO 2000-US13842 20000519
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
 CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 WO 2000069485 A1 20001123 WO 2000-US13851 20000519
 W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,
 CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
 US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 TW 446556 B 20010721 TW 2000-89109675 20000519
 EP 1178845 A1 20020213 EP 2000-936104 20000519
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2003527147 T2 20030916 JP 2000-617944 20000519
 PRIORITY APPLN. INFO.:
 WO 1999-US10986 A 19990519
 WO 1999-US11330 A 19990521
 WO 1999-US11372 A 19990521
 WO 1999-US11374 A 19990521
 WO 1999-US22842 W 19991001
 WO 2000-US13842 W 20000519

AB An **absorbent** article having a **skin care** composition is disclosed. The **absorbent** article has a body surface and a garment surface. The **absorbent** article comprises a topsheet disposed at the body surface, a backsheet disposed at the garment surface, and an **absorbent** core disposed therebetween. At least a portion of the **absorbent** article is provided with a **skin care** composition. The **absorbent** article has a preferential acquisition zone and a **skin care** zone. The preferential acquisition zone covers at least a portion of the vulva of the wearer when the **absorbent** article is applied on the wearer's body. The **skin care** zone is provided with the **skin care** composition of greater basis weight than the preferential acquisition zone.
 ICM A61L015-34
 ICS A61F013-15

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

58.33

58.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.47

-3.47

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:25:59 ON 12 FEB 2004

=> d his ful

(FILE 'HOME' ENTERED AT 15:14:39 ON 12 FEB 2004)

FILE 'HCAPLUS' ENTERED AT 15:14:56 ON 12 FEB 2004

L1 82 SEA ABB=ON ("DECKNER GEORGE E"/AU OR "DECKNER GEORGE ENDEL"/AU
 OR "DECKNER GEORGE ENDELL"/AU)
 E DECKNER GEORGE E/AU
 L2 35 SEA ABB=ON ("GRAY BRIAN DAVID"/AU OR "GRAY BRIAN E"/AU OR
 "GRAY BRIAN F"/AU OR "GRAY BRIAN FRANCIS"/AU)
 E MINOGUCHI RYO/AU
 L3 7 SEA ABB=ON ("MINOGUCHI R"/AU OR "MINOGUCHI RYO"/AU)
 E NIIHARA KAORU/AU
 L4 8 SEA ABB=ON "NIIHARA KAORU"/AU
 E SCHMIDT ROBERT R/AU
 L5 11 SEA ABB=ON "SCHMIDT ROBERT RAYMOND"/AU
 E WARREN RAPHAEL/AU
 L6 26 SEA ABB=ON "WARREN RAPHAEL"/AU
 L7 0 SEA ABB=ON L1 AND L2 AND L3 AND L4 AND L5 AND L6
 L8 163 SEA ABB=ON L1 OR L2 OR L3 OR L4 OR L5 OR L6
 L9 22 SEA ABB=ON L8 AND ?SKIN?(W)?CARE?
 L10 5 SEA ABB=ON L9 AND ?ABSORB? *Inventor search*
 L11 7179 SEA ABB=ON (?BODY? OR ?SKIN?)(4A)(?CONTACT? OR ?TOUCH?)
 L12 2297 SEA ABB=ON L11 AND (?SURFAC? OR ?BOUND?)
 L13 16 SEA ABB=ON L12 AND ?ABSORB?(3A)?CORE?
 L14 3 SEA ABB=ON L13 AND (?SKIN? OR ?DERM? OR ?CUTAN?)(3A)(?CARE?
 OR ?IMPROV? OR ?TREAT? OR ?BENEFIT?)
 L15 0 SEA ABB=ON L13 AND ?SEMISOLID?
 L16 1 SEA ABB=ON L13 AND ?SEMI?
 L17 1 SEA ABB=ON L13 AND ?SOLID?
 L18 0 SEA ABB=ON L13 AND ?VISCOS?
 L19 16 SEA ABB=ON L13 OR L14 OR L15 OR L16 OR L17 OR L18 *16 hits from CAPLUS*

FILE 'MEDLINE, EMBASE, RAPRA, PLASPEC, KOSMET, JAPIO, JICST-EPLUS,
 BIOSIS, WPIDS' ENTERED AT 15:45:45 ON 12 FEB 2004

L20 123 SEA ABB=ON L19
 L21 121 DUP REMOV L20 (2 DUPLICATES REMOVED)
 L22 11 SEA ABB=ON L21 AND (SKIN? OR DERM? OR CUTAN?)(W)(CARE? OR
 IMPROV? OR TREAT?)(W)(COMPOSIT? OR SUBSTANC? OR MATERIAL? OR
 PRODUCT?) *11 hits from "Other databases"*

=> que stat l19
L11 7179 SEA FILE=HCAPLUS ABB=ON (?BODY? OR ?SKIN?) (4A) (?CONTACT? OR
?TOUCH?)
L12 2297 SEA FILE=HCAPLUS ABB=ON L11 AND (?SURFAC? OR ?BOUND?)
L13 16 SEA FILE=HCAPLUS ABB=ON L12 AND ?ABSORB? (3A) ?CORE?
L14 3 SEA FILE=HCAPLUS ABB=ON L13 AND (?SKIN? OR ?DERM? OR ?CUTAN?) (
3A) (?CARE? OR ?IMPROV? OR ?TREAT? OR ?BENEFIT?)
L15 0 SEA FILE=HCAPLUS ABB=ON L13 AND ?SEMISOLID?
L16 1 SEA FILE=HCAPLUS ABB=ON L13 AND ?SEMI?
L17 1 SEA FILE=HCAPLUS ABB=ON L13 AND ?SOLID?
L18 0 SEA FILE=HCAPLUS ABB=ON L13 AND ?VISCOS?
L19 16 SEA FILE=HCAPLUS ABB=ON L13 OR L14 OR L15 OR L16 OR L17 OR
L18

=> d ibib abs 119 1-16

L19 ANSWER 1 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2004:58125 HCAPLUS
 TITLE: Absorbent article having a graphic visible through
body contacting surface
 INVENTOR(S): Miura, Tsunetoshi; Ito, Kensuke; Sasaki, Akiko;
 Nakao, Yoshiko; Kondo, Shuri; Tomi, Koichi
 PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
 SOURCE: PCT Int. Appl.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004006818	A1	20040122	WO 2003-US21363	20030709
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

US 2004015145 A1 20040122 US 2003-603522 20030625

PRIORITY APPLN. INFO.: US 2002-396115P P 20020716

AB The invention is directed to an absorbent article, which is preferably a sanitary napkin or a pantiliner, comprising: a **body contacting layer**; a garment **contacting layer**; and an **absorbent core** disposed between the **body contacting layer** and the garment **contacting layer**. The **absorbent core** has a **core edge**. The **core edge** defines a core region within the **core edge** and an outer region outside the core region. The **body contacting layer** and the garment **contacting layer** extend outward into the outer region and joined together in the outer region. In one aspect of the invention, the garment **contacting layer** has a graphic printed on the body facing **surface** at least in a portion of the outer region. In another aspect of the invention, the **body contacting layer** has a graphic printed on the garment facing **surface** at least in a portion of the outer region. The **body contacting layer** has a first light transmittance so that the graphic can be seen through the **body contacting layer** in the outer region. Since users (or women) can see the graphic through the **body contacting layer**, the absorbent article can provide an emotional benefit to women before uses, and thus decrease women's melancholic mood.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:985940 HCAPLUS
 TITLE: Transfer layer of liquid fluids and an absorbent
 article incorporating the same
 INVENTOR(S): Suarez, Claudio Miguel

PATENT ASSIGNEE(S): Carl Freudenberg Kg, Germany
 SOURCE: PCT Int. Appl.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003103551	A1	20031218	WO 2003-EP5848	20030604
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, RO, RU, SC, SD, SG, SK, SL, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: AR 2002-102203 A 20020611

AB A transfer layer of liquid fluids and an absorbent article incorporating the same, like a diaper, a sanitary napkin or a similar product, which has a permeable cover below which there is disposed a nonwoven transfer layer of liquid fluids followed beneath by an **absorbent core** which retains the fluids. In the transfer layer there is provided a top layer of predominating hydrophobic properties and an bottom layer of predominating hydrophilic properties. The transfer layer has an embossed **surface** configuration, with channels formed by compressed nonwoven streaks forming transversal peaks and valleys extending in longitudinal direction along the transfer layer. The lower thickness of the transfer layer resulting from the compressed stretches which form valleys, provide the channels with a predominating hydrophilicity, which facilitates the quick liquid transfer towards the **absorbent core**, while the higher thickness of the transfer layer in the peaks provide it with a predominating hydrophobia, which impedes the liquid to return from the **absorbent core** to the permeable cover, thus reducing the index of remnant humidity in the zone of **contact** with the user's **skin**, even if the **absorbent core** is submitted to pressure.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:796381 HCAPLUS

DOCUMENT NUMBER: 139:297071

TITLE: Topsheet for **contacting** hydrous **body**

tissues and absorbent device with such a topsheet

INVENTOR(S): Bewick-Sonntag, Christopher Philip; Kirkbride, Tana Marie; Osborn, Thomas Ward; Ahr, Nicholas Albert

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: U.S. Pat. Appl. Publ., 50 pp., Cont.-in-part of U.S. Ser. No. 637,440.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 10

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003191442	A1	20031009	US 2001-905804	20010713
ZA 9810374	A	19990707	ZA 1998-10374	19981112
CA 2308407	AA	19990527	CA 1998-2308407	19981116
EP 1030637	A1	20000830	EP 1998-959460	19981116
EP 1030637	B1	20030305		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
BR 9815313	A	20001010	BR 1998-15313	19981116
JP 2001522702	T2	20011120	JP 2000-520732	19981116
AU 745446	B2	20020321	AU 1999-15253	19981116
AT 233527	E	20030315	AT 1998-959460	19981116
ES 2193591	T3	20031101	ES 1998-959460	19981116
TW 416847	B	20010101	TW 1998-87118879	19990126
US 6635799	B1	20031021	US 2000-637440	20000811
WO 2002013750	A2	20020221	WO 2001-US24438	20010803
WO 2002013750	A3	20021017		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001079178	A5	20020225	AU 2001-79178	20010803
EP 1311216	A2	20030521	EP 2001-957431	20010803
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001013196	A	20030916	BR 2001-13196	20010803
PRIORITY APPLN. INFO.:				
			US 2000-637440	A2 20000811
			US 1997-970510	A 19971114
			US 1998-71425	A2 19980501
			WO 1998-US24390	W 19981116
			US 2001-905804	A 20010713
			WO 2001-US24438	W 20010803
AB	An absorbent article insertable into the interlabial space of a female wearer comprising an absorbent storage core and a body-contacting vaginal discharge receiving layer overlaying the storage core. The body-contacting vaginal discharge receiving layer is compressible and is adjustable to conform to the inner labial surface texture to fill in channels within the inner labia which transport and collect bodily discharges. The absorbent storage core and the body-contacting vaginal discharge layer are placed into communication by needle punching. The topsheets are suitable for manufacturing sanitary napkins, tampons, interlabial products, and oral contraceptives.			
L19 ANSWER 4 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN				
ACCESSION NUMBER:		2003:348806 HCAPLUS		
DOCUMENT NUMBER:		138:343977		
TITLE:		Treated disposable sanitary articles for reducing skin breakdown		
INVENTOR(S):		Sheridan, Christopher H.		
PATENT ASSIGNEE(S):		USA		
SOURCE:		U.S., 7 pp.		
		CODEN: USXXAM		
DOCUMENT TYPE:		Patent		

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6559353	B1	20030506	US 1995-374907	19950119

PRIORITY APPLN. INFO.: US 1995-374907 19950119

AB A disposable waste containment composite is disclosed for fabrication into baby diapers, incontinent briefs, feminine hygiene pads, incontinent under pads and sheets, wound dressings and the like. The composite is formed from a liquid permeable top-sheet, an **absorbent core** and an impermeable backing sheet unified by the use of adhesives, heat and pressure, ultrasonic welding and the like. The composite is characterized in that its topsheet has been treated with a non-aqueous composition comprising propylene glycol, a non-water soluble protectant, and a **surfactant**. The treatment composition can also preferably include an emollient, a deodorant, or a healing agent. A unique feature of the treatment is that the non-water soluble components do not restrict or interfere with the passage of bodily waste into the **absorbent core**. The top sheet so treated delivers in use the protectant and other agents such as the healing agent, to the **surface** of the skin so that when the fabricated article is employed, the incidence of **contact** dermatitis, **skin** irritations, maceration and pressure ulcers are reduced. In addition, the use of this unique topsheet treatment reduces friction which, along with the other benefits, can virtually eliminate the need for sep. using medicated creams, ointments or powders. A com. available diaper topsheet constituting a 15 g/yd square spun bond polypropylene was treated with a composition consisting of propylene glycol 60.00, Silicone SF 18-350 30.00, and N-alkyldimethylbenzylammonium chloride 100.0%.

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2003:210377 HCAPLUS
 TITLE: Sanitary napkin. [Machine Translation].
 INVENTOR(S): Noshita, Kako
 PATENT ASSIGNEE(S): [NAME NOT TRANSLATED], Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003079663	A2	20030318	JP 2001-321207	20010911

PRIORITY APPLN. INFO.: JP 2001-321207 20010911

AB [Machine Translation of Descriptors]. The napkin is adjusted to the unevenness section of the human **body**, the **touch** area the sanitary napkin which to the utmost small is superior in the fitting impression strange feeling being thin at the time of the paragraph and wearing is offered. Plane **surface** form with the cymbiform (figure 1), at the same time cross section being summury, as acute angle the triangle is formed, as side geometry it reaches to the both ends, we assume, that thin thinly it becomes shape forming and curve condition, in order to parallel to the shape of the installing region, we constitute threely-dimensional. In order to be possible to leave and the discomfort

due to and friction by the fact that internal constitution has with the **absorber** compression **core** which lies between between the being transparent liquid characteristic **surface** seat and the non- being transparent liquid characteristic back seat and these both seats, increases degree of adhesion with the body, absorbs the blood intensively with apex of the triangle, in minimum it is the sanitary napkin which is formed.

L19 ANSWER 6 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:87076 HCAPLUS
DOCUMENT NUMBER: 138:127025
TITLE: Body fluid-absorbing disposable wearing articles
INVENTOR(S): Imai, Shigeo; Suzuki, Sachiyo
PATENT ASSIGNEE(S): Uni Charm Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003033392	A2	20030204	JP 2001-224714	20010725
PRIORITY APPLN. INFO.:			JP 2001-224714	20010725

AB The absorbent articles (i.e., sanitary napkins and disposable diapers) have a body fluid-**absorbing core** and a liquid-permeable **surface** sheet comprising a nonwoven fabric or a film having open pores. A silicone resin layer and a silicone oil layer are formed in this order on the **surface** side of the **surface** sheet to be in **contact** with the **skin**. The silicone oil layer firmly adheres to the silicone resin layer and enhances flowing of body fluids into the **absorbent core**. Horse blood rapidly ran down the **surface** layer of an inclined film of epoxy-modified silicone- and dimethylsilicone oil-coated polyethylene.

L19 ANSWER 7 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:626035 HCAPLUS
DOCUMENT NUMBER: 137:175002
TITLE: Disposable absorbent articles having adhesive gel layer which is brought into **contact** with **skin**
INVENTOR(S): Suzuki, Sachiyo
PATENT ASSIGNEE(S): Uni Charm Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002233551	A2	20020820	JP 2001-32181	20010208
PRIORITY APPLN. INFO.:			JP 2001-32181	20010208

AB The articles, e.g., sanitary napkins and disposable diapers, have an adhesive gel layer containing crosslinked silicones and oils (m.p. $\leq 30^\circ$, b.p. $\geq 101^\circ$). A composition containing Me vinyl silicone, Me hydrogen silicone, an ester oil, and a Pt-based catalyst was applied on a nonwoven fabric comprising polyethylene-polypropylene

core-sheath fibers and thermally cured to give a **surface** sheet showing moisture permeability 430 g/m²-24 h and good water repellency of the adhesive layer.

L19 ANSWER 8 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:548215 HCAPLUS
 TITLE: Absorbent article having apertures for fecal material
 INVENTOR(S): Oehmen, Heidi Ann
 PATENT ASSIGNEE(S): Kimberly-Clark Worldwide, Inc., USA
 SOURCE: U.S.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6423884	B1	20020723	US 1996-730648	19961011
PRIORITY APPLN. INFO.:			US 1996-730648	19961011

AB An absorbent article includes an outer cover and a bodyside liner. A fecal retaining structure having at least one aperture is mounted in the rear portion of the absorbent article. The retaining structure has at least one, preferably multiple, apertures sized to retain exudates from a typical bowel movement and to displace such exudates from the skin of the user. The fecal retaining structure preferably has a **surface** layer on the outer **surface** which **contacts** the **body** of the user. The **surface** layer has a slick **surface** that assists in moving fecal material into the apertures. An **absorbent core** may be mounted in the absorbent article, especially in the front portion of the absorbent article.

REFERENCE COUNT: 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:391336 HCAPLUS
 DOCUMENT NUMBER: 136:374931
 TITLE: Improved apertured top sheet for absorbent articles
 INVENTOR(S): Kiyoshi, Inoshita; Dale, Robert; Karszes, William
 PATENT ASSIGNEE(S): Polymer Group, Inc., USA
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1206944	A1	20020522	EP 2000-128032	20001221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AU 2000072359	A5	20020523	AU 2000-72359	20001218
CN 1352924	A	20020612	CN 2001-109573	20010417
PRIORITY APPLN. INFO.:			US 2000-706934	A 20001106

AB In the application and use of absorbent articles, prolonged contact with the material of the sheet, especially in the presence of moisture from exudates or excreta, have an adverse effect on the health of the users skin. It has been found that an improved top sheet material for use in the construction of absorbent articles may be constructed from thermoplastic

polymers mixed with certain **surface** friction reducing agents. These **surface** friction reducing agents are selected from those used in the manufacture of cosmetic materials and are thus known to have no adverse human etiol. As the top sheet material is formed from thermally extruded films or fibers, it is requisite of the **surface** friction reducing agents that there is no thermal degradation that adversely effect the contact **surface** or fluidic transfer to the interior elements of an absorbent article. A two-layer film top sheet was made having a top or **skin contact** layer and a bottom or **absorbent core** contact layer. The top layer was composed of the following mixture: ZnO (**surface** friction reducing agent) 1.00, TiO₂ (opacifier) 1.75, and LLDPE 97.25%. The bottom layer was composed of the following mixture; TiO₂ 4.80, Atmer concentrate (wetting agent) 1.50, and ethylene-vinyl acetate copolymer 93.70%. The 2 layers were independently melted and mixed using standard com. extruders. At the combining block, the top layer was proportioned to approx. 35% total film weight and the bottom layer was proportioned to approx. 65% total film weight. The finished 2-layer film top sheet exhibited a nominal thickness of 0.25 mm.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:142456 HCAPLUS

DOCUMENT NUMBER: 136:189414

TITLE: Improved topsheet for **contacting** hydrous **body** tissues and absorbent device with such a topsheet

INVENTOR(S): Bewick-Sonntag, Christopher Philip; Kirkbride, Tana Marie; Osborn, Thomas Ward, III; Ahr, Nicholas Albert

PATENT ASSIGNEE(S): The Procter & Gamble Company, USA

SOURCE: PCT Int. Appl., 126 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 10

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002013750	A2	20020221	WO 2001-US24438	20010803
WO 2002013750	A3	20021017		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
ZA 9810374	A	19990707	ZA 1998-10374	19981112
CA 2308407	AA	19990527	CA 1998-2308407	19981116
EP 1030637	A1	20000830	EP 1998-959460	19981116
EP 1030637	B1	20030305		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI			
BR 9815313	A	20001010	BR 1998-15313	19981116
JP 2001522702	T2	20011120	JP 2000-520732	19981116
AU 745446	B2	20020321	AU 1999-15253	19981116

AT 233527	E	20030315	AT 1998-959460	19981116
ES 2193591	T3	20031101	ES 1998-959460	19981116
TW 416847	B	20010101	TW 1998-87118879	19990126
US 6635799	B1	20031021	US 2000-637440	20000811
US 2003191442	A1	20031009	US 2001-905804	20010713
AU 2001079178	A5	20020225	AU 2001-79178	20010803
EP 1311216	A2	20030521	EP 2001-957431	20010803

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001013196	A	20030916	BR 2001-13196	20010803
PRIORITY APPLN. INFO.:			US 2000-637440	A 20000811
			US 2001-905804	A 20010713
			US 1997-970510	A 19971114
			US 1998-71425	A2 19980501
			WO 1998-US24390	W 19981116
			WO 2001-US24438	W 20010803

AB The present invention relates to an improved **body-contacting surface** or topsheet for absorbent devices that come into contact with a wearer's hydrous body tissues. These hydrous body tissues may include, but are not limited to hydrous tissues such as interlabial skin or tissue and mucosal tissues such as vaginal tissues. In one non-limiting embodiment, the topsheet comprises a non-absorbent, moderately hydrophilic to substantially hydrophobic nonwoven web. The topsheet is placed on absorbent devices such as sanitary napkins, tampons, panty liners, interlabial devices, incontinence devices, bandages, and other articles. The present invention further relates to a method of capturing discharges from a source of discharges on a wearer's body in which at least a portion of the source of discharges is located within hydrous membranes having irregular **surfaces** (e.g., a female wearer's interlabial or intervaginal space). The present invention also relates to an absorbent article insertable into the interlabial space of a female wearer which comprises an **absorbent storage core** and a **body-contacting** vaginal discharge receiving layer overlaying the storage core. The **absorbent storage core** and the **body-contacting** vaginal discharge layer are placed into communication by needle punching. In addition, the **absorbent storage core** comprises an integral web of fibrous material and optionally comprises an absorbent gelling material and multiple fenestrations there through. The absorbent article also has an insertion means which can be an applicator or foldable reinforced tab with a folding line which is integral with the article. The product is composed of the following materials. A starch bonded rayon topsheet similar to that used as an overwrap for tampons (in particular TAMPAX tampons). The core material is a carded batt of a 50/50 blend of rayon and cotton blend. A 50% Sarille L rayon fiber is combined with a 50% blend of cotton combers. The backsheet is a polybutylene succinate adipate film colored with Ampacet 110361 available as Bionelle 3001. The backsheet is attached to the topsheet to form a perimeter seal via a crimping operation.

L19 ANSWER 11 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:850722 HCAPLUS
 DOCUMENT NUMBER: 135:376864
 TITLE: Absorbent article with silicone compound layer
 INVENTOR(S): Suzuki, Sachiyo
 PATENT ASSIGNEE(S): Uni-Charm Corporation, Japan
 SOURCE: Eur. Pat. Appl., 17 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1155667	A2	20011121	EP 2001-304226	20010511
EP 1155667	A3	20020220		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001327533	A2	20011127	JP 2000-147826	20000519
US 2002002357	A1	20020103	US 2001-854034	20010510
US 6531643	B2	20030311		
SG 98028	A1	20030820	SG 2001-2911	20010516
BR 2001002028	A	20011218	BR 2001-2028	20010517
CN 1325671	A	20011212	CN 2001-123173	20010518

PRIORITY APPLN. INFO.:

JP 2000-147826 A 20000519

AB Disclosed is an absorbent article including a liquid-pervious top sheet to be in **contact** with the **skin** of a wearer, a back sheet, and an **absorbent core** sandwiched between the top sheet and the back sheet. A layer of silicone compound is formed on the **surface** of one of a side sheet provided on each side of the **absorbent core**, and a side portion of the back sheet extending outwardly from each side of the **absorbent core**. A UV-curable silicone diluted with solvent was applied to the **surface** of a polyethylene film to form a silicone layer, the solvent dried, and the coated film exposed to UV rays.

L19 ANSWER 12 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:830683 HCAPLUS

DOCUMENT NUMBER: 135:362641

TITLE: Sheet with layer containing an oily ingredient and a dextrin ester for absorbent articles

INVENTOR(S): Hisanaka, Takayuki

PATENT ASSIGNEE(S): Uni-Charm Corporation, Japan

SOURCE: Eur. Pat. Appl., 14 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1153617	A1	20011114	EP 2001-304173	20010509
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002085451	A2	20020326	JP 2001-134877	20010502
CA 2346627	AA	20011110	CA 2001-2346627	20010508
US 2001041878	A1	20011115	US 2001-851862	20010509
US 6603053	B2	20030805		
CN 1323573	A	20011128	CN 2001-122160	20010510
BR 2001001858	A	20011218	BR 2001-1858	20010510
TW 515709	B	20030101	TW 2001-90111169	20010510

PRIORITY APPLN. INFO.:

JP 2000-136724 A 20000510

AB A sheet, of which the **surface** to be in **contact** with the **skin** of a wearer has a mixture layer is provided. The mixture layer includes (a) an oily ingredient which is liquid or **semi-solid** at 25° (30-98%), and (b) an ester compound of dextrin with a fatty acid, e.g., dextrin palmitate (2-70%). A sheet is a nonwoven fabric used for an absorbent article, for protecting wounds, and for skin

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 13 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:380341 HCAPLUS
DOCUMENT NUMBER: 134:371846
TITLE: Absorbent article for maintenance of prolonged natural
skin pH values
INVENTOR(S): Chmielewski, Harry J.; Erdman, Carol L.
PATENT ASSIGNEE(S): Paragon Trade Brands, Inc., USA
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001035885	A1	20010525	WO 2000-US30434	20001106
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6459014	B1	20021001	US 2000-685609	20001011
EP 1253896	A1	20021106	EP 2000-975582	20001106
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2003516778	T2	20030520	JP 2001-537681	20001106
PRIORITY APPLN. INFO.:			US 1999-165648P	P 19991115
			US 2000-685609	A 20001011
			WO 2000-US30434	W 20001106

AB An absorbent article is provided which includes a pH control agent in an amount sufficient to maintain prolonged natural skin pH. The pH control agent can be applied in conjunction with a **surfactant**. Generally, the pH control agent and optional **surfactant** can be added to the top-sheet, **absorbent core**, and/or any tissue layer included in the absorbent article. Particularly preferred pH control agents include citric acid and sodium citrate. An aqueous solution comprising the pH control agent (citric acid) and the **surfactant** was initially produced, and the aqueous solution was then applied to the top-sheet material. Top-sheet samples including 2% citric acid outperformed standard top-sheet in their ability to maintain natural skin pH, while the **skin** was in direct **contact** with high pH liquid. The unexpected ability of top-sheet materials prepared to maintain prolonged natural skin pH even after the skin dried was demonstrated.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 14 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:595019 HCAPLUS
DOCUMENT NUMBER: 131:219215

TITLE: Proton donating actives in absorbent articles for decreasing skin pH
 INVENTOR(S): Mcosker, Jocelyn Elaine; Roe, Donald Carroll; Franxman, James Joseph; Klofta, Thomas James; Berg, Ronald Wayne
 PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9945976	A1	19990916	WO 1999-US5396	19990311
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
ZA 9902005	A	19990913	ZA 1999-2005	19990311
CA 2322461	AA	19990916	CA 1999-2322461	19990311
AU 9930820	A1	19990927	AU 1999-30820	19990311
EP 1061964	A1	20001227	EP 1999-912447	19990311
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2002505918	T2	20020226	JP 2000-535388	19990311
TW 431893	B	20010501	TW 1999-88103865	19990604
US 2002147433	A1	20021010	US 2002-59614	20020129
PRIORITY APPLN. INFO.: US 1998-41509 A 19980312				
WO 1999-US5396 W 19990311				

AB An absorbent article that helps maintain a wearer's skin pH in an acidic condition is described. The absorbent article has a **body contacting surface** with a **skin care** composition that is transferred from the **body contacting surface** to the wearer's **skin** by **contact**, normal wearer motion and/or body heat. The **skin care** composition contains at least one proton donating active. Preferred proton donating actives include: monomeric organic acids, polymeric acids, and inorg. acid salts. The absorbent article also includes a liquid impermeable backsheet and an **absorbent core** positioned between the **body contacting surface** and the backsheet. A lotion containing 5% citric acid decreased skin pH by 1.55. A **skin care** composition for **treatment** of the **surface** of absorbent article contained petrolatum 55, stearyl alc. 39, citric acid 5, and aloe vera extract 1%.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 15 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1997:801996 HCAPLUS
 DOCUMENT NUMBER: 128:62823
 TITLE: Water-resistant absorbent articles for sanitary napkins or disposable diapers with improved hydrophilic properties of the **surface** materials

INVENTOR(S): Mori, Kazuo; Kanai, Taeko; Kaneda, Manabu; Sakai, Yoshihiro
 PATENT ASSIGNEE(S): Kao Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09322911	A2	19971216	JP 1996-143141	19960605
PRIORITY APPLN. INFO.:			JP 1996-143141	19960605

AB The nonwovens comprise mainly polyolefin or polyester fibers and have the **surface** of the nonwoven fabrics for **contacting skin** is **treated** with sericins for hydrophilization of the **surface** materials. Conjugate fibers comprising polypropylene core and polyethylene sheath with core-sheath ratio 50:50 were split, heat-treated, made into a nonwoven fabric, immersed in a solution containing sericin powder, polyethylene glycol diglycidyl ether, and diethylenetriamine, and heat-treated 10 min at 100° for insolubilization of sericin and give a nonwoven fabric with basis weight 25 g/m2 and sericin content 1.7%. Diapers of the nonwoven fabric showed good urine absorption properties and no urine leakage by a specified test.

L19 ANSWER 16 OF 16 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1978:24465 HCAPLUS
 DOCUMENT NUMBER: 88:24465
 TITLE: Laminated product with flat **surface** and absorbent power, for hygienic use
 PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.
 SOURCE: Belg., 16 pp.
 CODEN: BEXXAL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 847515	A1	19770421	BE 1976-171697	19761021
DE 2547650	A1	19770428	DE 1975-2547650	19751024
CH 604579	A	19780915	CH 1976-13279	19761020
FI 7603005	A	19770425	FI 1976-3005	19761021
NL 7611672	A	19770426	NL 1976-11672	19761021
DK 7604775	A	19770425	DK 1976-4775	19761022
SE 7611775	A	19770425	SE 1976-11775	19761022
FR 2328569	A1	19770520	FR 1976-31850	19761022
FR 2328569	B1	19800430		
BR 7607102	A	19770913	BR 1976-7102	19761022
ZA 7606287	A	19770928	ZA 1976-6287	19761022
GB 1562505	A	19800312	GB 1976-43957	19761022
JP 52054288	A2	19770502	JP 1976-128160	19761025
AU 7618962	A1	19780504	AU 1976-18962	19761025
AU 502431	B2	19790726		
US 4144886	A	19790320	US 1976-735445	19761026
PRIORITY APPLN. INFO.:			DE 1975-2547650	19751024

AB Absorbent towels for human body fluids, which did not release absorbed liquid back into **contact** with the **skin** when under

pressure, were prepared by covering a cellulosic flock **absorbent** **core** layer with a unilateral or bilateral tissue layer and overcoating with at least 1 smooth **surface** layer. A towel of this construction retained 75% of absorbed urea after 15 min under 0.050 bars pressure, whereas a towel of conventional construction retained only 52%.

=> d que stat 122

L11 7179 SEA FILE=HCAPLUS ABB=ON (?BODY? OR ?SKIN?)(4A)(?CONTACT? OR
?TOUCH?)
L12 2297 SEA FILE=HCAPLUS ABB=ON L11 AND (?SURFAC? OR ?BOUND?)
L13 16 SEA FILE=HCAPLUS ABB=ON L12 AND ?ABSORB?(3A)?CORE?
L14 3 SEA FILE=HCAPLUS ABB=ON L13 AND (?SKIN? OR ?DERM? OR ?CUTAN?)(
3A)(?CARE? OR ?IMPROV? OR ?TREAT? OR ?BENEFIT?)
L15 0 SEA FILE=HCAPLUS ABB=ON L13 AND ?SEMISOLID?
L16 1 SEA FILE=HCAPLUS ABB=ON L13 AND ?SEMI?
L17 1 SEA FILE=HCAPLUS ABB=ON L13 AND ?SOLID?
L18 0 SEA FILE=HCAPLUS ABB=ON L13 AND ?VISCOS?
L19 16 SEA FILE=HCAPLUS ABB=ON L13 OR L14 OR L15 OR L16 OR L17 OR
L18
L20 123 SEA L19
L21 121 DUP REMOV L20 (2 DUPLICATES REMOVED)
L22 11 SEA L21 AND (SKIN? OR DERM? OR CUTAN?)(W)(CARE? OR IMPROV? OR
TREAT?)(W)(COMPOSIT? OR SUBSTANC? OR MATERIAL? OR PRODUCT?)

=> □

=> d ibib abs 122 1-11

L22 ANSWER 1 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2003-221489 [21] WPIDS
 DOC. NO. CPI: C2003-056263
 TITLE: Article for use in contact with target **surface**,
 has liquid-permeable porous substrate with preset
 thickness, beneficial component disposed at preset ratio,
 and material for minimizing migration of component.
 DERWENT CLASS: A96 D21 D22 F07
 INVENTOR(S): GATTO, J A; ISELE, O; KLOFTA, T J; MCNALLY, M G; RULE, J
 C; STAUDIGEL, J A; STONE, K K; TAYLOR, S L
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 100
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2003002698	A2	20030109	(200321)*	EN	31
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW					
US 2003035824	A1	20030220	(200321)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2003002698	A2	WO 2002-US19699	20020621
US 2003035824	A1	US 2001-895027	20010629

PRIORITY APPLN. INFO: US 2001-895027 20010629

AN 2003-221489 [21] WPIDS

AB WO2003002698 A UPAB: 20030328

NOVELTY - An article has a liquid-permeable porous substrate, a
 releasably-disposed beneficial component, and a material for minimizing
 migration of component into substrate which has a thickness (Z) as
 measured from contacting **surface** to opposing **surface**.

The ratio of component-quantity present on or within a substrate thickness
 of 0-Z/3 is at least 2.2 times the quantity within a thickness of 2Z/3-Z,
 until usage.

DETAILED DESCRIPTION - An article comprises a liquid-permeable porous
 substrate having oppositely-disposed contacting **surface** and
 opposing **surface**, a beneficial component releasably disposed on
 at least a portion of the contacting **surface**, and a material for
 minimizing migration of the beneficial component into the porous
 substrate. The substrate has a thickness (Z) as measured from the
 contacting **surface** to the opposing **surface**. The ratio
 of the quantity of the beneficial component present on or within a
 thickness of 0-Z/3 of the substrate is at least about 2.2 times the
 quantity of the component within a thickness of 2Z/3-Z of the substrate
 until the time of the use of the article.

An INDEPENDENT CLAIM is included for Top-Biasing a composition on a

porous substrate, which involves applying layer (I) of a relatively hydrophilic component on a porous substrate, applying layer (II) of a relatively hydrophobic component on the relatively hydrophilic component, and allowing layers (I,II) to simultaneously cool on the substrate without the formation of an emulsion.

USE - In absorbent articles, such as training pants, feminine napkins, pantliners, incontinence garments, breast pads, bed pads and intra labial devices, and in products such as buffs, bandages, mops, cloths, wipes, sponges and other flexible dispensing materials intended for use on inanimate materials.

ADVANTAGE - The article has a treated substrate with improved availability of a beneficial component for transfer to a target **surface**. The article has a **body-contacting surface** having a **skin-care composition** disposed on at least a portion. The substrate is extensible in at least one direction, and has discrete zones of extensibility. The top sheet of the article is compliant, soft and non-irritating to the user's skin. The top sheet is liquid-pervious, permitting liquids to readily penetrate to the thickness. The article also contains a conditioning component which improves and/or maintains healthy skin and/or hair of the user. The conditioning component also provides therapeutic **benefits** to the **skin** and/or hair, such as softening, soothing, coating, lubricating and moisturizing. The beneficial component may be in liquid, **semi-solid** or an emulsion form. The beneficial component may comprise a polishing/waxing composition to deposit a wax and/or polish to an inanimate **surface** such as cars, shoes, floors, counters, furniture, wood and/or walls.

DESCRIPTION OF DRAWING(S) - The figure shows the plan view of an absorbent article in the form of a diaper.

Absorbent article 20

Top sheet 24

Backsheet 28

Dwg.1/2

L22 ANSWER 2 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-648313 [74] WPIDS

CROSS REFERENCE: 2000-038740 [03]

DOC. NO. NON-CPI: N2001-484461

DOC. NO. CPI: C2001-191257

TITLE: Absorbent article, i.e. diaper for absorbing and containing body exudates, comprises a cuff with a **skin care composition** joined to the chassis and with an elastic member joined to a cuff member using oil resistant adhesive.

DERWENT CLASS: A96 B07 D22 F07 P32 P34

INVENTOR(S): BLANEY, T L; THORNTON, M A

PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO

COUNTRY COUNT: 96

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2001068026	A1	20010920	(200174)*	EN	58
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ					
NL OA PT SD SE SL SZ TR TZ UG ZW					
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK					
DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ					
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD					
SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
AU 2001047363	A	20010924	(200208)		

EP 1263382 A1 20021211 (200301) EN
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
 RO SE SI TR
 BR 2001009280 A 20021217 (200309)
 KR 2002083178 A 20021101 (200319)
 US 6533765 B1 20030318 (200322)
 HU 2003000044 A1 20030528 (200341)
 CN 1418078 A 20030514 (200355)
 JP 2003526468 W 20030909 (200360) 75
 MX 2002008488 A1 20030101 (200373)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2001068026	A1	WO 2001-US7757	20010309
AU 2001047363	A	AU 2001-47363	20010309
EP 1263382	A1	EP 2001-920292	20010309
		WO 2001-US7757	20010309
BR 2001009280	A	BR 2001-9280	20010309
		WO 2001-US7757	20010309
KR 2002083178	A	KR 2002-712024	20020913
US 6533765	B1 Provisional CIP of	US 1998-83913P	19980501
		US 1999-301109	19990428
		US 2000-526271	20000315
HU 2003000044	A1	WO 2001-US7757	20010309
		HU 2003-44	20010309
CN 1418078	A	CN 2001-806604	20010309
JP 2003526468	W	JP 2001-566493	20010309
		WO 2001-US7757	20010309
MX 2002008488	A1	WO 2001-US7757	20010309
		MX 2002-8488	20020829

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2001047363	A Based on	WO 2001068026
EP 1263382	A1 Based on	WO 2001068026
BR 2001009280	A Based on	WO 2001068026
US 6533765	B1 CIP of	US 6270487
HU 2003000044	A1 Based on	WO 2001068026
JP 2003526468	W Based on	WO 2001068026
MX 2002008488	A1 Based on	WO 2001068026

PRIORITY APPLN. INFO: US 2000-526271 20000315; US 1998-83913P
 19980501; US 1999-301109 19990428

AN 2001-648313 [74] WPIDS

CR 2000-038740 [03]

AB WO 200168026 A UPAB: 20031112

NOVELTY - An absorbent article has a cuff joined to a chassis and an amount of a **skin care composition** disposed on the cuff, where the cuff has a cuff member, and an elastic member having opposed elastic ends and the elastic member is joined to the cuff member using an oil resistant adhesive.

DETAILED DESCRIPTION - An absorbent article to be worn by a wearer adjacent the skin comprises a chassis, a cuff joined to the chassis, and an amount of a **skin care composition** (72) disposed on the cuff. The chassis comprises an outer covering layer having a backsheet (42), a liquid pervious topsheet (38) joined to the backsheet,

and an **absorbent core** positioned between the topsheet and the backsheet. The cuff has a first **surface** and a second **surface** disposed opposite the first **surface**. It comprises a cuff member, and an elastic member having opposed elastic ends. The elastic member is joined to the cuff member using an oil resistant adhesive. The adhesive exhibits an apparent **viscosity** of less than 20000 centipoise (cP) at 177 deg. C and less than 100000 cP at 135 deg. C, and a heat of fusion less than 5 J/g. It is a block copolymer, preferably a styrene-isoprene-styrene block copolymer. The **skin care composition** is **semi-solid or solid** at 20 deg. C and at least partially transferable to a wearer's **skin** by **contact**, normal wearer motion and/or body heat.

An INDEPENDENT CLAIM is also included for a process for making the absorbent article to be worn by a wearer adjacent the skin, comprising:

- (a) providing the chassis, the cuff and the **skin care composition**;
- (b) joining the cuff to the chassis; and
- (c) disposing an amount of **skin care composition** on the cuff.

USE - The inventive absorbent, i.e. a diaper or sanitary napkin (claimed), is used for absorbing and containing body exudates (e.g., menses and urine). It can also be training pants, adult incontinence devices, feminine garments, incontinent briefs or undergarments.

ADVANTAGE - The invention provides elastic components, which maintain their integrity in the presence of oleaginous **skin care compositions**. It can be processed and effectively adhesively bonded at higher **viscosities**. It provides a controlled application of the **skin care composition** to deliver the low but effective levels of composition required. It provides a barrier to **surface** moisture while avoiding occlusion of the skin (i.e., maintaining skin breathability). Thus, it allows transfer of optimal levels of the composition to the skin to maintain and/or **improve skin** health. The adhesive used is material friendly and process friendly.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of an absorbent article in the form of a disposable diaper.

Topsheet 38

Backsheet 42

Gasketing cuff 56

Barrier leg cuff 62

Skin care composition 72

Dwg.4/5

L22 ANSWER 3 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-137608 [14] WPIDS

DOC. NO. NON-CPI: N2001-100274

DOC. NO. CPI: C2001-040296

TITLE: **Skin care composition** for use in articles such as diapers, training pants, adult incontinence devices, sanitary napkins, panty liners or bed pads comprises carrier, **skin care** ingredient and rheological agent.

DERWENT CLASS: A96 D21 D22 E19 F07 P34

INVENTOR(S): CRAMER, R D; GATTO, J A; HANSER, T R; KLOFTA, T J; ROE, D C; STAUDIGEL, J A

PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO; (KLOF-I) KLOFTA T J; (ROED-I) ROE D C

COUNTRY COUNT: 93

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000071177	A1	20001130	(200114)	* EN	65
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ					
NL OA PT SD SE SL SZ TZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES					
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS					
LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL					
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
AU 2000048583	A	20001212	(200115)		
EP 1178844	A1	20020213	(200219)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT					
RO SE SI					
US 2002165508	A1	20021107	(200275)		
TW 476639	A	20020221	(200305)		
JP 2003500115	W	20030107	(200314)		79
US 6570054	B1	20030527	(200337)		
MX 2001011794	A1	20020501	(200368)		
US 2003195486	A1	20031016	(200369)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000071177	A1	WO 2000-US13849	20000519
AU 2000048583	A	AU 2000-48583	20000519
EP 1178844	A1	EP 2000-930827	20000519
		WO 2000-US13849	20000519
US 2002165508	A1 CIP of	US 1999-316691	19990521
	Div ex	US 2000-563638	20000502
		US 2002-54628	20020122
TW 476639	A	TW 2000-109768	20000520
JP 2003500115	W	JP 2000-619478	20000519
		WO 2000-US13849	20000519
US 6570054	B1 CIP of	US 1999-316691	19990521
		US 2000-563638	20000502
MX 2001011794	A1	WO 2000-US13849	20000519
		MX 2001-11794	20011116
US 2003195486	A1 CIP of	US 1999-316691	19990521
	Cont of	US 2000-563638	20000502
		US 2003-417459	20030416

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000048583	A Based on	WO 2000071177
EP 1178844	A1 Based on	WO 2000071177
JP 2003500115	W Based on	WO 2000071177
MX 2001011794	A1 Based on	WO 2000071177
US 2003195486	A1 Cont of	US 6570054

PRIORITY APPLN. INFO: US 2000-563638 20000502; US 1999-316691
 19990521; US 2002-54628 20020122; US
 2003-417459 20030416

AN 2001-137608 [14] WPIDS
 AB WO 200071177 A UPAB: 20010312
 NOVELTY - A skin care composition present in
 an article comprises carrier (5-95%) (by weight), at least one

skin care ingredient (0.001-70) and rheological agent (0.1-25). The composition has

- (i) an elastic modulus of at least 5 dynes/cm² (measured at 0.2% strain rate, oscillation frequency 10 rad/sec and 77 deg. C),
 - (ii) melting temperature of at least 35 deg. C
 - (iii) **solid** or **semi-solid** consistency.
- at 20 deg. C.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process for applying a **skin care composition** to a substrate, involving forming the **skin care composition** and applying the composition on at least a portion of a substrate, preferably a **skin-contacting surface** of an article. The substrate comprises 0.0078-15.6 mg/cm² of the composition.

USE - As disposable absorbent product such as diaper, training pant, adult incontinence device, sanitary napkin, panty liner or bed pads.

ADVANTAGE - The **skin care composition** is transferred by normal **contact**, wearer motion and/or **body** heat to the skin **surface**. The rheological agent stabilizes the composition by minimizing agglomeration, stratification and/or settling and by modifying **viscosity**. The composition is easily applied to substrate **surface** without particulate plugging to the application element. The composition protects or **improves** the **skin** condition against chaffing, overhydration or itching. A smooth, silky, non-grainy skin feel is provided and abrasion of chaffing, drying or rashes is minimized. The composition is anhydrous in nature, hence wicking of highly **absorbent** diaper **core** is avoided. The composition can be easily applied to the substrate **surface**. A special barrier or wrapping material is unnecessary for packing the treated article. The **absorbent core** of the diaper is compressible, conformable and non-irritating to the wearer's skin. The film present on the **body contact surface** of diaper is dry, hence reducing body soiling and creating a comfortable feeling to the wearer. The composition is delivered continuously and automatically onto the skin **surface** from the article.

Dwg.0/3

L22 ANSWER 4 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2001-049794 [06] WPIDS
 CROSS REFERENCE: 2001-040989 [05]; 2001-049792 [06]; 2001-049793 [06];
 2001-061160 [07]
 DOC. NO. NON-CPI: N2001-038190
 DOC. NO. CPI: C2001-013648
 TITLE: Absorbent article for use in feminine hygiene garments, diapers, incontinence devices etc. with a **body contacting surface** and an **absorbent core**, comprises a **skin care composition**.
 DERWENT CLASS: A96 B07 D22 F07 P34
 INVENTOR(S): GRAY, B F; MINOGUCHI, R; NIIHARA, K; WARREN, R
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 91
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000069485	A1	20001123	(200106)*	EN	70
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ					
NL OA PT SD SE SL SZ TZ UG ZW					

W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES
 FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
 LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
 TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 AU 2000050333 A 20001205 (200113)
 KR 2002018199 A 20020307 (200261)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000069485	A1	WO 2000-US13851	20000519
AU 2000050333	A	AU 2000-50333	20000519
KR 2002018199	A	KR 2001-714748	20011119

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000050333	A Based on	WO 2000069485

PRIORITY APPLN. INFO: WO 1999-US11372 19990521; WO 1999-US10986
 19990519; WO 1999-US11330 19990521; WO
 1999-US11374 19990521

AN 2001-049794 [06] WPIDS
 CR 2001-040989 [05]; 2001-049792 [06]; 2001-049793 [06]; 2001-061160 [07]
 AB WO 200069485 A UPAB: 20020924

NOVELTY - An absorbent article comprising a **body contacting surface** and an **absorbent core** where at least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** or **semisolid** at 40 deg. C and which is transferable from the **surface** to the wearer's **skin** by **contact**, normal wearer motion and **body heat**, is new.

DETAILED DESCRIPTION - A new absorbent article comprises a **body contacting surface** and an **absorbent core** where at least a portion of the **body contacting surface** comprises a **skin care composition** which is a **solid** or **semisolid** at 40 deg. C and which is transferable from the **surface** to the wearer's **skin** by **contact**, normal wearer motion and **body heat**. The **skin care composition** comprises about 10-95 % emollient and about 5-90 % of an agent capable of immobilizing the emollient, where the immobilizing agent comprises a particle thickener selected from silica, treated silica, polymethacrylate polymers, polymethacrylate and styrene copolymers, calcium silicate, treated calcium silicate, treated bentonite, treated Hectorite and mixtures thereof.

USE - The absorbent article is used in feminine hygiene products such as sanitary napkins and panti-liners, diapers, training pants, adult incontinence devices, diaper holders etc.

ADVANTAGE - The absorbent article has **improved skin care benefits**.

Dwg.0/5

L22 ANSWER 5 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2001-049793 [06] WPIDS
 CROSS REFERENCE: 2001-040989 [05]; 2001-049792 [06]; 2001-049794 [06];
 2001-061160 [07]

DOC. NO. NON-CPI: N2001-038189
 DOC. NO. CPI: C2001-013647
 TITLE: Absorbent article with **body contacting surface** and **absorbent core** comprising **skin care composition** for use in e.g. feminine hygiene garments, diapers and incontinence devices.
 DERWENT CLASS: A96 B07 D22 F07 P32 P34
 INVENTOR(S): DECKNER, G E; GRAY, B F; MINOGUCHI, R; NIIHARA, K; SCHMIDT, R R; WARREN, R
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 93
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000069484	A1	20001123	(200106)*	EN	81
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
AU 2000051465	A	20001205	(200113)		
EP 1178845	A1	20020213	(200219)	EN	
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
TW 446556	A	20010721	(200219)		
KR 2002018199	A	20020307	(200261)		
JP 2003527147	W	20030916	(200362)		93
MX 2001011795	A1	20020501	(200368)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000069484	A1	WO 2000-US13842	20000519
AU 2000051465	A	AU 2000-51465	20000519
EP 1178845	A1	EP 2000-936104	20000519
		WO 2000-US13842	20000519
TW 446556	A	TW 2000-109675	20000519
KR 2002018199	A	KR 2001-714748	20011119
JP 2003527147	W	JP 2000-617944	20000519
		WO 2000-US13842	20000519
MX 2001011795	A1	WO 2000-US13842	20000519
		MX 2001-11795	20011116

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 2000051465	A Based on	WO 2000069484
EP 1178845	A1 Based on	WO 2000069484
JP 2003527147	W Based on	WO 2000069484
MX 2001011795	A1 Based on	WO 2000069484

PRIORITY APPLN. INFO: WO 1999-US11374 19990521; WO 1999-US10986 19990519; WO 1999-US11330 19990521; WO 1999-US11372 19990521

AN 2001-049793 [06] WPIDS

CR 2001-040989 [05]; 2001-049792 [06]; 2001-049794 [06]; 2001-061160 [07]
 AB WO 200069484 A UPAB: 20031022

NOVELTY - An absorbent article comprising a **body contacting surface** and an **absorbent core** wherein at least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** or **semi-solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal motion and **body heat**.

DETAILED DESCRIPTION - An absorbent article comprising a **body contacting surface** and an **absorbent core** wherein at least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** or **semi-solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal motion and **body heat** and wherein the **skin care composition** has **viscosity** of more than about 105 Poise under shear stress of less than about 3×10^4 dynes/cm² and **viscosity** of less than about 102 Poise under shear stress of more than about 10^6 dynes/cm² at 40 deg. C.

An INDEPENDENT CLAIM is made for an absorbent article as above wherein the **skin care composition** additionally comprises a **skin care** active ingredient.

USE - The absorbent article may be used in feminine hygiene garments e.g. sanitary napkins and panty-liners, diapers, training pants, adult incontinence devices and diaper holders.

ADVANTAGE - The absorbent article has **improved skin care** qualities.
 Dwg.0/5

L22 ANSWER 6 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2001-049792 [06] WPIDS
 CROSS REFERENCE: 2001-040989 [66]; 2001-049793 [66]; 2001-049794 [66];
 2001-061160 [66]
 DOC. NO. NON-CPI: N2001-038188
 DOC. NO. CPI: C2001-013646
 TITLE: Absorbent article with **body contacting surface** and **absorbent core** comprising **skin care composition** for use in e.g. feminine hygiene garments, diapers and incontinence devices.
 DERWENT CLASS: A96 B07 D22 F07 P34
 INVENTOR(S): DECKNER, G E; GRAY, B F; MINOGUCHI, R; NIIHARA, K; SCHMIDT, R R; WARREN, R
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 86
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000069481	A1	20001123	(200106)*	EN	73
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL					
OA PT SD SE SL SZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB					
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU					
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR					
TT UA UG US UZ VN YU ZA ZW					

AU 9941983 A 20001205 (200113)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000069481	A1	WO 1999-US11374	19990521
AU 9941983	A	AU 1999-41983	19990521

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9941983	A Based on	WO 2000069481

PRIORITY APPLN. INFO: WO 1999-US10986 19990519

AN 2001-049792 [06] WPIDS

CR 2001-040989 [66]; 2001-049793 [66]; 2001-049794 [66]; 2001-061160 [66]

AB WO 200069481 A UPAB: 20010307

NOVELTY - An absorbent article comprising a **body contacting surface** and an **absorbent core** wherein at least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** or **semi-solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal wearer motion and **body** heat, wherein the **skin care composition** comprises a **skin care** active ingredient.

DETAILED DESCRIPTION - An absorbent article comprising a **body contacting surface** and an **absorbent core** wherein at least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** or **semi-solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal wearer motion and **body** heat, wherein the **skin care composition** comprises a **skin care** active ingredient and wherein the **skin care composition** has a **viscosity** of more than about 105 Poise under shear stress of less than about 3X10⁴ dynes/cm² and **viscosity** of less than about 102 Poise under shear stress of more than about 106 dynes/cm² at 40 deg. C.

USE - The absorbent article may include feminine hygiene products such as sanitary napkins and panti-liners, diapers, training pants, adult incontinence devices and diaper holders.

ADVANTAGE - The absorbent article has **improved skin care** qualities.
Dwg.0/5

L22 ANSWER 7 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 2001-040989 [05] WPIDS

CROSS REFERENCE: 2001-049792 [06]; 2001-049793 [06]; 2001-049794 [06]; 2001-061160 [07]

DOC. NO. NON-CPI: N2001-030556

DOC. NO. CPI: C2001-011889

TITLE: New absorbent article, e.g. nappy or feminine hygiene article, comprises **body contacting surface** containing **skin care composition**, and **absorbent core**

DERWENT CLASS: A96 B07 D22 F07 P34
 INVENTOR(S): GRAY, B F; MINOGUCHI, R; NIIHARA, K; WARREN, R; DECKNER, G E; SCHMIDT, R R
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 86
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 2000069482	A1	20001123	(200105)*	EN	73
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
AU 9941981	A	20001205	(200113)		
MX 2001011793	A1	20020501	(200368)		
MX 2001011795	A1	20020501	(200368)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2000069482	A1	WO 1999-US11372	19990521
AU 9941981	A	AU 1999-41981	19990521
MX 2001011793	A1	WO 1999-US11372	19990521
		MX 2001-11793	20011116
MX 2001011795	A1	WO 2000-US13842	20000519
		MX 2001-11795	20011116

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9941981	A Based on	WO 2000069482
MX 2001011793	A1 Based on	WO 2000069482
MX 2001011795	A1 Based on	WO 2000069484

PRIORITY APPLN. INFO: WO 1999-US10986 19990519; WO 1999-US11330 19990521; WO 1999-US11374 19990521

AN 2001-040989 [05] WPIDS
 CR 2001-049792 [06]; 2001-049793 [06]; 2001-049794 [06]; 2001-061160 [07]
 AB WO 200069482 A UPAB: 20031022

NOVELTY - Absorbent article comprises a **body contacting surface** and an **absorbent core**. At least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal wearer motion and **body** heat.

DETAILED DESCRIPTION - Absorbent article comprises a **body contacting surface** and an **absorbent core**. At least a portion of the **body contacting surface** comprises a **skin care composition** which is **solid** at 40 deg. C and which is transferable from the **body contacting surface** to the wearer's **skin** by **contact**, normal wearer motion and **body** heat at a level effective in providing a **skin**

benefit to the wearer's skin. The skin

care composition comprises an emollient (about 10-95%) and an agent capable of immobilizing the emollient (about 5-90%). The immobilizing agent comprises a particle thickener selected from optionally treated silica, polymethacrylate polymers, polymethacrylate and styrene copolymers, optionally treated calcium silicate, treated bentonite, treated hectorite and mixtures of these.

USE - The absorbent article is a feminine hygiene garment, a diaper, training pants, adult incontinence device or diaper holder.

Dwg.0/5

L22 ANSWER 8 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 2000-023241 [02] WPIDS
 CROSS REFERENCE: 2000-013330 [01]; 2000-023242 [02]; 2000-147019 [13]
 DOC. NO. NON-CPI: N2000-017319
 DOC. NO. CPI: C2000-005618
 TITLE: Absorbent articles e.g. nappies, incontinent briefs, training pants, nappy holders and liners, sanitary hygiene garments.
 DERWENT CLASS: D22 F07 P32
 INVENTOR(S): ARNDT, S; EHRNSPERGER, B J; KREUZER, C H; LAVON, G D; SCHMIDT, M; STOELZEL, C P; SLOELZEL, C P
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 87
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9955264	A1	19991104	(200002)*	EN	84
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL					
OA PT SD SE SL SZ UG ZW					
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB					
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU					
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR					
TT UA UG US UZ VN YU ZA ZW					
AU 9931641	A	19991116	(200015)		
BR 9910052	A	20001226	(200103)		
EP 1075240	A1	20010214	(200111)	EN	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE					
CZ 2000003916	A3	20010912	(200158)		
HU 2001002691	A2	20011128	(200209)		
JP 2002512846	W	20020508	(200234)		94
NZ 507503	A	20030926	(200366)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9955264	A1	WO 1999-IB741	19990423
AU 9931641	A	AU 1999-31641	19990423
BR 9910052	A	BR 1999-10052	19990423
		WO 1999-IB741	19990423
EP 1075240	A1	EP 1999-913535	19990423
		WO 1999-IB741	19990423
CZ 2000003916	A3	WO 1999-IB741	19990423
		CZ 2000-3916	19990423
HU 2001002691	A2	WO 1999-IB741	19990423
		HU 2001-2691	19990423
JP 2002512846	W	WO 1999-IB741	19990423
		JP 2000-545471	19990423

NZ 507503 A

NZ 1999-507503 19990423

WO 1999-IB741 19990423

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9931641	A Based on	WO 9955264
BR 9910052	A Based on	WO 9955264
EP 1075240	A1 Based on	WO 9955264
CZ 2000003916	A3 Based on	WO 9955264
HU 2001002691	A2 Based on	WO 9955264
JP 2002512846	W Based on	WO 9955264
NZ 507503	A Based on	WO 9955264

PRIORITY APPLN. INFO: WO 1998-US8515 19980428

AN 2000-023241 [02] WPIDS

CR 2000-013330 [01]; 2000-023242 [02]; 2000-147019 [13]

AB WO 9955264 A UPAB: 20031014

NOVELTY - The absorbent capacity is determined in the segments of the absorbent article, along the vertical axis by whole article vertical wicking test, at a point away from the fold lines of the article. The absorbent capacity in at least one of the segments at 13.5 cm, is at least 0.5 times (preferably at least two times) the capacity of the segment at 0 cm.

USE - Used as nappies, incontinent briefs, training pants, nappy holders and liners, sanitary hygiene garments.

ADVANTAGE - The absorbent article provides improved fitting and is comfortable to the user especially when the article is wetted with body fluids.

DESCRIPTION OF DRAWING(S) - The figure shows the top view of a nappy. Top sheet; 22
Back sheet; 24

Absorbent core; 28
Crotch part; 27
Crotch region 56
Dwg.1/8

L22 ANSWER 9 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 1999-551227 [46] WPIDS

DOC. NO. NON-CPI: N1999-407895

DOC. NO. CPI: C1999-160871

TITLE: Body fluid absorbent article containing proton donating active.

DERWENT CLASS: A96 B07 D22 F07 P32 P34 P73

INVENTOR(S): BERG, R W; FRANXMAN, J J; KLOFTA, T J; MCOSKER, J E; ROE, D C; WARREN, R

PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO; (BERG-I) BERG R W; (FRAN-I) FRANXMAN J J; (KLOF-I) KLOFTA T J; (MCOS-I) MCOSKER J E; (ROED-I) ROE D C; (WARR-I) WARREN R

COUNTRY COUNT: 87

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9945976	A1	19990916	(199946)*	EN	60
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL					
OA PT SD SE SL SZ UG ZW					
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD					
GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV					

MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
 UA UG UZ VN YU ZW
 ZA 9902005 A 19991124 (200001) 59
 AU 9930820 A 19990927 (200006)
 EP 1061964 A1 20001227 (200102) EN
 R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE
 KR 2001041821 A 20010525 (200168)
 TW 431893 A 20010501 (200168)
 MX 2000008933 A1 20010301 (200170)
 JP 2002505918 W 20020226 (200219) 82
 US 2002147433 A1 20021010 (200269)
 KR 375532 B 20030328 (200354)

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9945976	A1	WO 1999-US5396	19990311
ZA 9902005	A	ZA 1999-2005	19990311
AU 9930820	A	AU 1999-30820	19990311
EP 1061964	A1	EP 1999-912447	19990311
		WO 1999-US5396	19990311
KR 2001041821	A	KR 2000-710105	20000909
TW 431893	A	TW 1999-103865	19990604
MX 2000008933	A1	MX 2000-8933	20000912
JP 2002505918	W	WO 1999-US5396	19990311
		JP 2000-535388	19990311
US 2002147433	A1 Cont of	US 1998-41509	19980312
		US 2002-59614	20020129
KR 375532	B	WO 1999-US5396	19990311
		KR 2000-710105	20000909

FILING DETAILS:

PATENT NO	KIND	PATENT NO
AU 9930820	A Based on	WO 9945976
EP 1061964	A1 Based on	WO 9945976
JP 2002505918	W Based on	WO 9945976
KR 375532	B Previous Publ. Based on	KR 2001041821 WO 9945976

PRIORITY APPLN. INFO: US 1998-41509 19980312; US 2002-59614
 20020129

AN 1999-551227 [46] WPIDS

AB WO 9945976 A UPAB: 20011203

NOVELTY - Absorbent article includes a **skin care composition** comprising a proton donating active and a continuous phase of oleaginous materials.

DETAILED DESCRIPTION - Absorbent article comprises:

- (1) a **body contacting surface** having a **skin care composition** on at least one part;
- (2) a liquid impermeable backsheet and
- (3) an **absorbent core** between the **body contacting surface** and backsheet.

The **skin care composition** is transferable from the **body contacting surface** to the wearer's **skin by contact**, normal wearer motion and/or body heat and comprises at least one proton donating active and a continuous phase comprising oleaginous materials.

USE - Used for absorption of body fluids deposited by a wearer and for helping maintain the skin pH at an acidic level. The composition is used on diapers, training pants, adult incontinence pads and briefs, and feminine hygiene products, including sanitary napkins, panty liners and tampons, to prevent development of rash and irritation.

ADVANTAGE - The proton donating active maintains skin pH in a slightly acidic condition after insult by bodily exudates which reduces resulting redness and inflammation.

Dwg.0/2

L22 ANSWER 10 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
 ACCESSION NUMBER: 1999-214902 [18] WPIDS
 DOC. NO. CPI: C1999-063282
 TITLE: Absorbent article e.g. nappy having **skin care composition** on surface.
 DERWENT CLASS: D22 F07
 INVENTOR(S): DOBRIN, G C; ELDER, G L; HERRLEIN, M K; MILBRADA, E J; PLISCHKE, M; RIJSWIJCK, L G S; ROE, R C; RULE, J C; ROE, D C; VAN RIJSWIJCK, L G S; VAN RIJSWIJCK, L; VAN RIJSWIJCK, L G
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 84
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9912504	A1	19990318	(199918)*	EN	90
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
ZA 9808117	A	19990526	(199927)		86
AU 9888184	A	19990329	(199932)		
EP 1011581	A1	20000628	(200035)	EN	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE					
US 6107537	A	20000822	(200042)		
BR 9813011	A	20000815	(200045)		
CZ 2000000856	A3	20000913	(200054)		
HU 2000003536	A2	20010228	(200121)		
CN 1278714	A	20010103	(200124)		
TW 418083	A	20010111	(200132)		
KR 2001023825	A	20010326	(200161)		
MX 2000002481	A1	20010101	(200166)		
JP 2001515754	W	20010925	(200170)		110
EP 1011581	B1	20031008	(200370)	EN	
R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE					
HU 222430	B1	20030728	(200379)		
DE 69818844	E	20031113	(200382)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9912504	A1	WO 1998-IB1343	19980828
ZA 9808117	A	ZA 1998-8117	19980904
AU 9888184	A	AU 1998-88184	19980828
EP 1011581	A1	EP 1998-939784	19980828
		WO 1998-IB1343	19980828

US 6107537	A	US 1997-926566	19970910
BR 9813011	A	BR 1998-13011	19980828
		WO 1998-IB1343	19980828
CZ 2000000856	A3	WO 1998-IB1343	19980828
		CZ 2000-856	19980828
HU 2000003536	A2	WO 1998-IB1343	19980828
		HU 2000-3536	19980828
CN 1278714	A	CN 1998-810992	19980828
		WO 1998-IB1343	19980828
TW 418083	A	TW 1998-115077	19980910
KR 2001023825	A	KR 2000-702500	20000309
MX 2000002481	A1	MX 2000-2481	20000310
JP 2001515754	W	WO 1998-IB1343	19980828
		JP 2000-510404	19980828
EP 1011581	B1	EP 1998-939784	19980828
		WO 1998-IB1343	19980828
HU 222430	B1	WO 1998-IB1343	19980828
		HU 2000-3536	19980828
DE 69818844	E	DE 1998-618844	19980828
		EP 1998-939784	19980828
		WO 1998-IB1343	19980828

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 9888184	A	Based on	WO 9912504
EP 1011581	A1	Based on	WO 9912504
BR 9813011	A	Based on	WO 9912504
CZ 2000000856	A3	Based on	WO 9912504
HU 2000003536	A2	Based on	WO 9912504
JP 2001515754	W	Based on	WO 9912504
EP 1011581	B1	Based on	WO 9912504
HU 222430	B1	Based on	WO 9912504
DE 69818844	E	Based on	EP 1011581
		Based on	WO 9912504

PRIORITY APPLN. INFO: US 1997-926566 19970910

AN 1999-214902 [18] WPIDS

AB WO 9912504 A UPAB: 19990511

NOVELTY - An absorbent article e.g. a diaper (20) etc. has on its **skin contacting face** (54) a **skin care composition** for beneficial transfer to the skin and a liquid impermeable back sheet (26) with a mass vapor transmission rate over 500 gram per square meter per 24 hour and an **absorbent core** (28) there between.

USE - In absorbing body excretions.

ADVANTAGE - reduces loss of skin condition in wear.

DESCRIPTION OF DRAWING(S) - The drawing shows a plan view of a diaper.

skin contact surface 54
back sheet 26
core 28
Dwg.1/5

L22 ANSWER 11 OF 11 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

ACCESSION NUMBER: 1998-332996 [29] WPIDS

CROSS REFERENCE: 1995-231601 [30]; 1996-277489 [28]; 1998-041860 [04];

1998-377206 [32]; 1999-561583 [47]; 2003-447291 [42]

DOC. NO. NON-CPI: N1998-259928

DOC. NO. CPI: C1998-103148
 TITLE: Absorbent article worn adjacent to skin - comprises chassis comprising outer covering layer comprising liquid pervious top sheet joined to back sheet and **absorbent core** and cuff joined to chassis.
 DERWENT CLASS: A96 B07 D21 D22 F07 P32 P34 P73
 INVENTOR(S): ROE, D C; SCHULTE, T E; VANRIJSWIJCK, L G S; ELDER, G L; VANRIJSWIJCK, L; ELDER, G; THOMAS, E S
 PATENT ASSIGNEE(S): (PROC) PROCTER & GAMBLE CO
 COUNTRY COUNT: 82
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9824390	A2	19980611	(199829)*	EN	67
RW: AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
CA 2223361	A	19980603	(199839)		
CA 2223382	A	19980603	(199839)		
ZA 9710752	A	19980826	(199840)		67
AU 9853721	A	19980629	(199845)		
TW 357080	A	19990501	(199937)		
NO 9902679	A	19990803	(199941)		
CZ 9901994	A3	19991117	(200002)		
EP 967949	A2	20000105	(200006)	EN	
R: AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE					
BR 9713681	A	20000328	(200029)		
CN 1251534	A	20000426	(200036)		
US 6120488	A	20000919	(200048)		
US 6156024	A	20001205	(200066)		
US 6166285	A	20001226	(200103)		
HU 2000003235	A2	20010131	(200118)		
KR 2000069286	A	20001125	(200130)		
JP 2001314440	A	20011113	(200207)		25
CA 2223382	C	20020416	(200234)	EN	
JP 2002509457	W	20020326	(200236)		91
US 6476288	B1	20021105	(200276)		
CA 2223361	C	20030128	(200319)	EN	
TW 508232	A	20021101	(200352)		
MX 9905171	A1	20030701	(200366)		
MX 210189	B	20020905	(200368)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9824390	A2	WO 1997-US22190	19971203
CA 2223361	A	CA 1997-2223361	19971203
CA 2223382	A	CA 1997-2223382	19971203
ZA 9710752	A	ZA 1997-10752	19971128
AU 9853721	A	AU 1998-53721	19971203
TW 357080	A	TW 1998-100900	19980123
NO 9902679	A	WO 1997-US22190	19971203
		NO 1999-2679	19990602
CZ 9901994	A3	WO 1997-US22190	19971203

EP 967949	A2		CZ 1999-1994	19971203
			EP 1997-950824	19971203
BR 9713681	A		WO 1997-US22190	19971203
			BR 1997-13681	19971203
CN 1251534	A		WO 1997-US22190	19971203
US 6120488	A	Cont of	CN 1997-181502	19971203
		CIP of	US 1994-345159	19941128
		CIP of	US 1996-766386	19961203
		CIP of	US 1997-884069	19970627
			US 1997-908852	19970808
US 6156024	A		US 1997-962312	19971031
US 6166285	A	Cont of	US 1996-766386	19961203
		CIP of	US 1994-345159	19941128
		CIP of	US 1996-766386	19961203
		CIP of	US 1997-884069	19970627
			US 1997-908852	19970808
			US 1997-962310	19971031
HU 2000003235	A2		WO 1997-US22190	19971203
			HU 2000-3235	19971203
KR 2000069286	A		WO 1997-US22190	19971203
			KR 1999-704923	19990603
JP 2001314440	A	Div ex	JP 1998-525777	19971203
			JP 2001-69303	19971203
CA 2223382	C		CA 1997-2223382	19971203
JP 2002509457	W		WO 1997-US22190	19971203
			JP 1998-525776	19971203
US 6476288	B1	CIP of	US 1994-345159	19941128
		CIP of	US 1996-766386	19961203
		CIP of	US 1997-884069	19970627
		CIP of	US 1997-908852	19970808
		Div ex	US 1997-962312	19971031
			US 2000-507659	20000222
CA 2223361	C		CA 1997-2223361	19971203
TW 508232	A		TW 1998-100982	19980123
MX 9905171	A1		WO 1997-US22190	19971203
			MX 1999-5171	19990603
MX 210189	B		WO 1997-US22191	19971203
			MX 1999-5172	19990603

FILING DETAILS:

PATENT NO	KIND		PATENT NO
AU 9853721	A	Based on	WO 9824390
CZ 9901994	A3	Based on	WO 9824390
EP 967949	A2	Based on	WO 9824390
BR 9713681	A	Based on	WO 9824390
US 6120488	A	Cont of	US 5463588
US 6166285	A	Cont of	US 5463588
HU 2000003235	A2	Based on	WO 9824390
KR 2000069286	A	Based on	WO 9824390
JP 2002509457	W	Based on	WO 9824390
US 6476288	B1	CIP of	US 5463588
		CIP of	US 6118041
		Div ex	US 6120488
		CIP of	US 6156024
MX 9905171	A1	Based on	WO 9824390

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1994-345159 19941128; US 1997-884069
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 2000-507659 20000222

AN 1998-332996 [29] WPIDS
 CR 1995-231601 [30]; 1996-277489 [28]; 1998-041860 [04]; 1998-377206 [32];
 1999-561583 [47]; 2003-447291 [42]
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An absorbent article worn by a wearer adjacent the skin comprises a chassis comprising an outer covering layer comprising a back sheet, liquid pervious top sheet joined to the back sheet and an **absorbent core** positioned between the back sheet and top sheet. A cuff joined to the chassis has a first **surface** and a second **surface** opposite the first **surface** and contains a **skin care composition** on the cuff. The composition is a **solid** or a **semisolid** at 20 deg. C and is at least partially transferable to a wearer's skin.

The **skin care composition** preferably comprises: (i) 10-95% emollient having a plastic or fluid consistency at 20 deg. C and (ii) 5-90% of an agent capable of immobilising the emollient on the cuff. The emollient comprises petroleum based emollients, fatty acid ester emollients, polysiloxane emollients, sucrose ester fatty acid emollients, and/or alkyl ethoxylate emollients. The immobilising agent is selected from polyhydroxy fatty acid esters, polyhydroxy fatty acid amides, 14-22C fatty alcohols, 12-22C fatty acids, and/or 12-22C fatty alcohol ethoxylates.

USE - The absorbent article is used for diapers, training pants, adult incontinence devices, sanitary napkins and feminine garments.

ADVANTAGE - The lotion is transferable to the wearer's **skin** by normal **contact** and wearer motion and/or body heat. The lotion minimises abrasion between the cuffs and the skin in the area where the cuff **contacts** the **skin** and results in reduced skin irritation. The lotion does not adversely affect the absorbency of the article and does not require special wrapping or barrier materials for packaging.
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